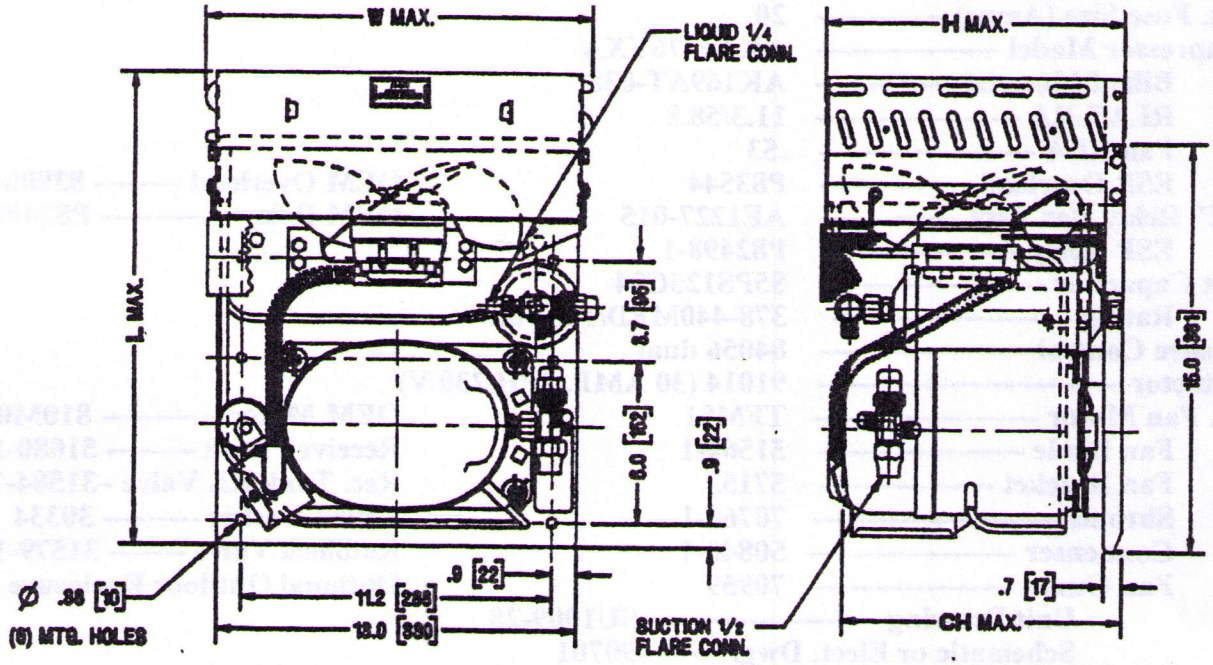
TECUMSEH HERMETIC CONDENSING UNITS

January 2001

MODEL AKA7437YXAXC (B/M 2C287-1) R-134a 1/2HP AIR COOLED



NOTE DIMENSIONS = INCHES (MILLIMETERS)

(POE)

Model	Dimensions				*Line Connection		Pumpdown 90 ° F 90% Full	Air CFM	Oil Chg oz.	Gr. Wt. Lbs.
	L	W	H	CH	Suct.	Liq.				
AKA7437YXAXC	17.4	14.0	10.9	10.9	1/2 F	1/4 F	3.3#	350	22	90

*F=Flare, S=Solder, RF or RS= Rotolock Valve with Flare or Solder Connections
Factory charge: 20 psig nitrogen - MUST BE EVACUATED 60 HZ Performance

Approved Evap. Range		Ambient								
		90° F			100° F			110° F		
°F	PSIG	BTUH	Watts	Head	BTUH	Watts	Head	BTUH	Watts	Head
-10	2.0	1650	480	130	1250	440	145	950	390	160
-5	4.1	1950	530	140	1500	500	150	1200	460	170
0	6.5	2250	580	145	1800	560	160	1500	520	175
5	9.1	2600	630	155	2150	610	170	1750	590	185
10	11.9	3000	690	160	2500	670	180	2100	660	195
15	15.0	3400	740	170	2900	740	190	2450	730	205
20	18.4	3800	800	180	3300	800	200	2800	800	220
25	22.1	4250	8700	190	3700	880	210	3200	8900	230
30	26.0	4700	940	200	4100	950	220	3600	970	240

20 ° F return gas temp. max. Superheat above 20 ° F evap.,
40 ° F max. Below 20 ° F evap., 5 ° F subcooling

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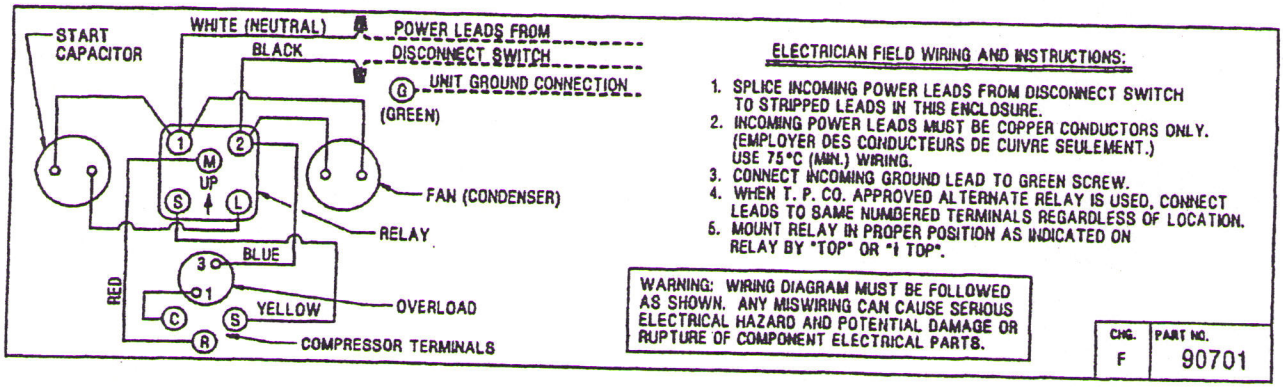
SPECIFICATIONS	AKA7437YXAXC
Nominal Voltage	115/60-1
Unit B/M	2C287-1
Voltage Range	126.5 to 103.5
Min. Circuit Ampacity	16.0
Max. Fuse Size (Amps)	20
Compressor Model	AKA4476YXA
Bill of Material	AK169AT-038
RLA/LRA	11.3/58.8
Fan RLA	.53
ESP Overload	P83544
"AK" Relay Box Assy	AE1227-015
ESP Relay	P82498-1
Start Capacitor	85PS125C94
Rating	378-440MFD/125Volt
Pressure Control	84056 dual
Contactor	91014 (30 AMP, 3PH/230 V)
Rep. Fan Motor	TFM91
Fan Blade	51564-1
Fan Bracket	57153
Shroud	70766-1
Condenser	50840-1
Fan Guard	70959
Unit Drawing	SU1909-28
Schematic or Elect. Dwg.	90701

OEM Overload -------- 8300MRAG17
OEM Relay ---------- P82498-1

OEM Motor ---------- 810M009B48
Receiver Tank -------- 51080-1
Rec. Tank RL Valve –31584-1 (1/4"F)
Teflon Gasket --------- 30334
Rotolock Valve ------- 31579-1 (1/2"F)
Optional Outdoor Enclosure - TP181-D


START CAPACITOR
WHITE (NEUTRAL)
BLACK
POWER LEADS FROM DISCONNECT SWITCH
UNIT GROUND CONNECTION
(GREEN)
FAN (CONDENSER)
RELAY
BLUE
RED
YELLOW
OVERLOAD
COMPRESSOR TERMINALS
ELECTRICIAN FIELD WIRING AND INSTRUCTIONS:
1. SPLICE INCOMING POWER LEADS FROM DISCONNECT SWITCH TO STRIPPED LEADS IN THIS ENCLOSURE.
2. INCOMING POWER LEADS MUST BE COPPER CONDUCTORS ONLY. (EMPLOYER DES CONDUCTEURS DE CUIVRE SEULEMENT.) USE 75°C (MIN.) WIRING.
3. CONNECT INCOMING GROUND LEAD TO GREEN SCREW.
4. WHEN T. P. CO. APPROVED ALTERNATE RELAY IS USED, CONNECT LEADS TO SAME NUMBERED TERMINALS REGARDLESS OF LOCATION.
5. MOUNT RELAY IN PROPER POSITION AS INDICATED ON RELAY BY "TOP" OR "I TOP".
WARNING: WIRING DIAGRAM MUST BE FOLLOWED AS SHOWN. ANY MISWIRING CAN CAUSE SERIOUS ELECTRICAL HAZARD AND POTENTIAL DAMAGE OR RUPTURE OF COMPONENT ELECTRICAL PARTS.
CHG. F
PART NO. 90701